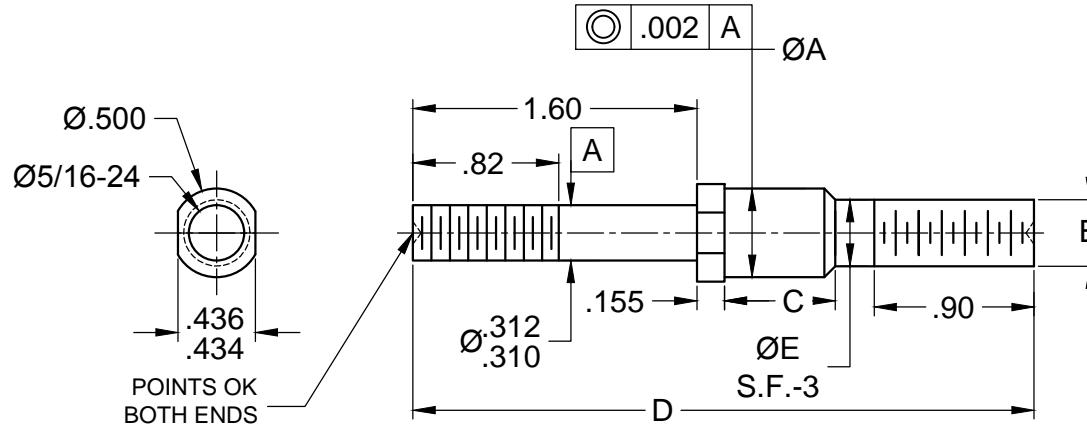


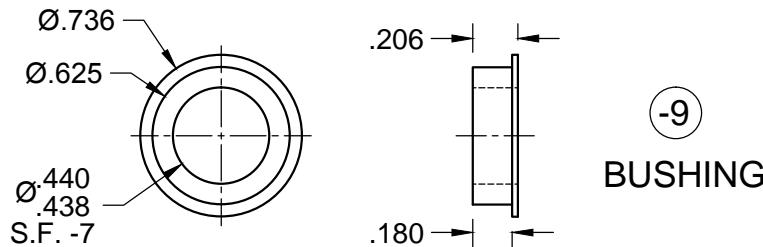
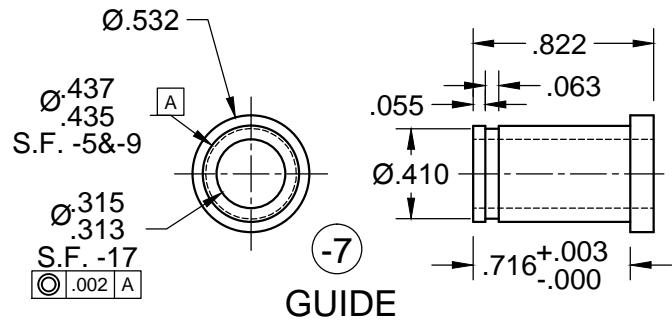
-11

STUD



BEARING # BACB10	TOOL #	ØA +.000 -.002	B	C +.000 -.010	D +.010 -.010	ØE +.000 -.002	MATERIAL	-27 SWIVEL FLANGE NUT
FB04-AMT	KSCFB04P	.248	1/4-20 UNC	-	2.875	.248	4140 Q&T RND. BAR Ø1/2 x 3	1/4-20 UNC MCMASTER-CARR PN: 90477A029
FB06	KSCFB06P	.373	3/8-16 UNC	-	3.500	.373	4140 Q&T RND. BAR Ø1/2 x 3-5/8	3/8-16 UNC MCMASTER-CARR PN: 90477A031
FB07	KSCFB07P	.435	3/8-16 UNC	.625	3.500	.373	4140 Q&T RND. BAR Ø1/2 x 3-5/8	3/8-16 UNC MCMASTER-CARR PN: 90477A031

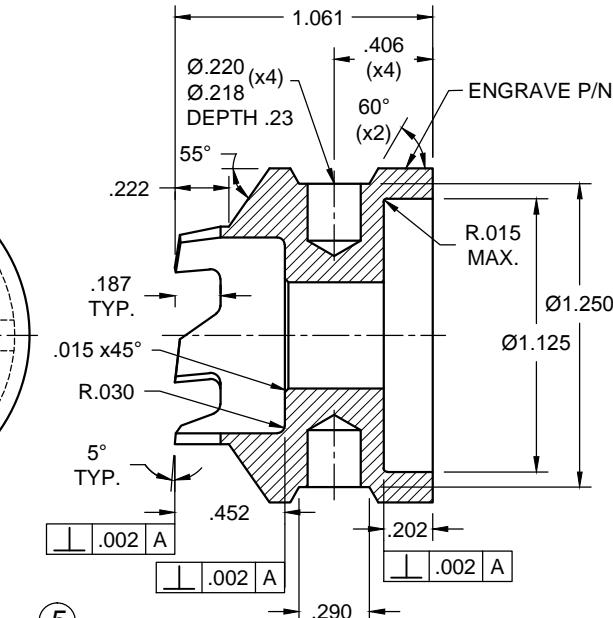
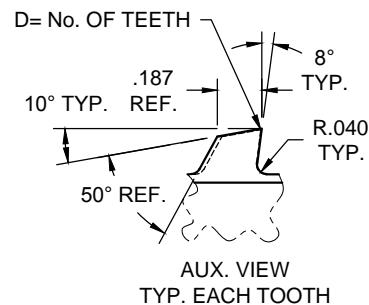
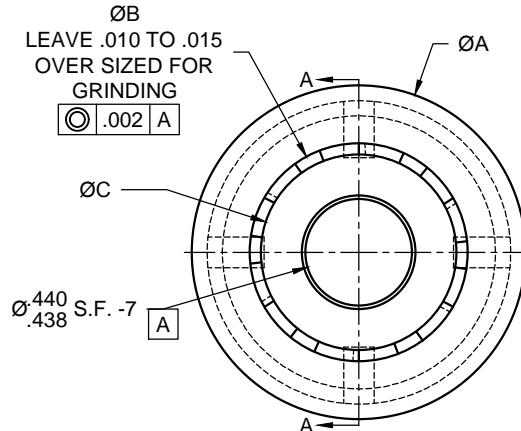
RB RED BARN MACHINE			
PORT. BEARING CUTTER; STUD			
DWG NO.	TOOL#(see chart)-11	REV 2	
UNLESS OTHERWISE SPECIFIED		DRAWN BY: PERRITT	
DIMENSIONS ARE IN INCHES			
TOLERANCES ON:			
DECIMALS	.005		
XX	±	.005	FRACTIONS ± 1/32
XX	±	.01	ANGLES ± 5°
X	±	.1	
FINISH SPEC			BLACK OXIDE
HEAT TREAT			
USED ON BEARING			
SEE CHART			
SCALE	NTS	DATE	3-26-08
		SHEET	6 of 6



## NOTE

1. DIMENSIONS FOR -7 &-9 ARE STANDARD FOR THESE PORTABLE BEARING CUTTERS.

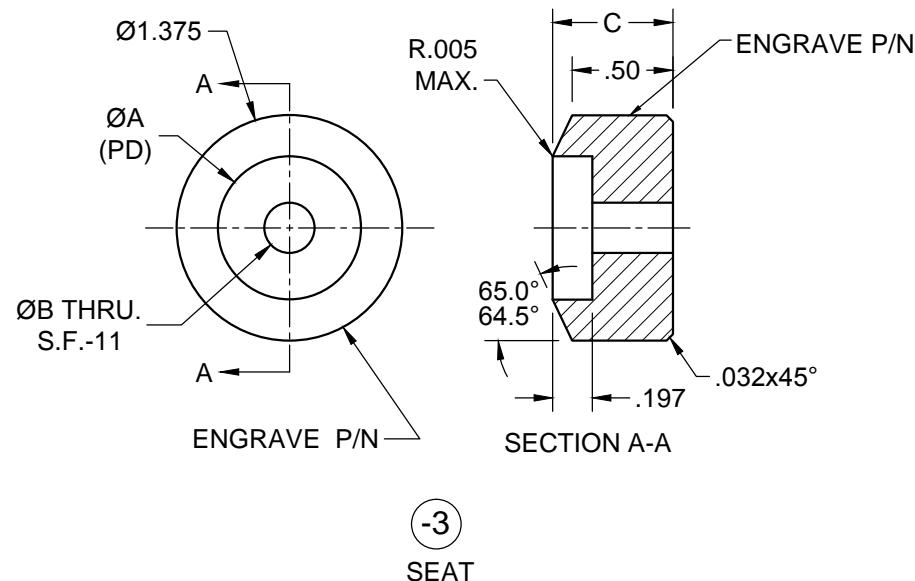
PART #	DESCRIPTION	MATERIAL		
-7	GUIDE	BRONZE	RND. BAR	Ø5/8 x 1
-9	BUSHING	BRONZE	RND. BAR	Ø3/4 x 3/8



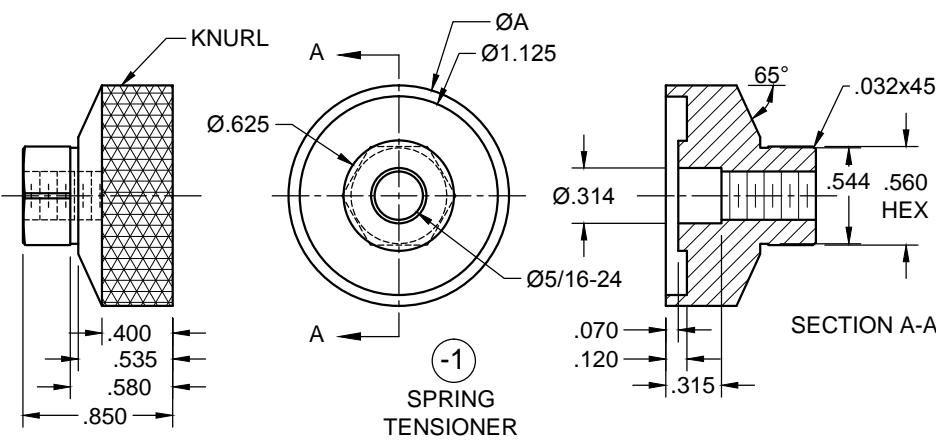
SECTION A-A

BEARING #	TOOL #	ØA +.000 -.010	ØB +.000 -.002	ØC +.000 -.005	D TOOTH AMT.	BRG. O.D.	MATERIAL
BACB10	KSCFB04P	1.375	.677	.557	6	.6875	0-1 DRILL ROD Ø1-3/8 x 1-7/16
FB04-AMT	KSCFB06P	1.375	.865	.745	8	.8750	0-1 DRILL ROD Ø1-3/8 x 1-7/16
FB06	KSCFB07P	1.375	.990	.870	8	1.000	0-1 DRILL ROD Ø1-3/8 x 1-7/16

RED BARN MACHINE		REV 2
PORT. BEARING CUTTER; CUTTER		
DWG NO. T00L#(see chart)-5		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS XXX ± .005 FRACTIONS ± 1/32 XX ± .01 ANGLES ± 5° X ± .1		
APPROVED		HEAT TREAT RC 55-60 FINISH SPEC BLACK OXIDE
USED ON BEARING SEE CHART		
SCALE	NTS	DATE 3-26-08
SHEET 4 of 6		

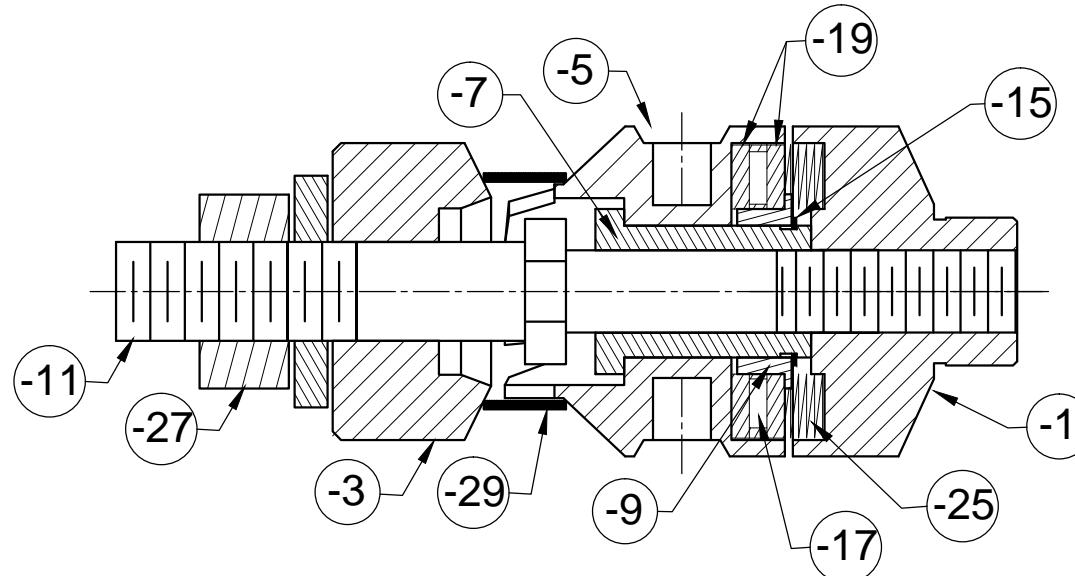


 RED BARN MACHINE	
<b>TITLE</b> PORT. BEARING CUTTER; SEAT	
<b>DWG NO.</b> TOOL#(see chart)-3	
<b>REV</b> 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
<b>TOLERANCES ON:</b>	
<b>DECIMALS</b> $XXX \pm .005$	
<b>FRACTIONS <math>\pm 1/32</math></b>	
$XX \pm .01$	
$X \pm .1$	
<b>ANGLES <math>\pm 5^\circ</math></b>	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES $.015 \times 45^\circ$ PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>DRAWN BY:</b> PERRITT	
<b>APPROVED</b>	
<b>HEAT TREAT</b>	
<b>FINISH SPEC</b> BLACK OXIDE	
<b>USED ON BEARING</b>	
<b>SEE CHART</b>	
<b>SCALE</b>	NTS
<b>DATE</b>	3-26-08
<b>SHEET</b>	3 of 6



 <b>RED BARN MACHINE</b>	
<b>TITLE</b>	
PORT. BEARING CUTTER; SPRING TENSIONER	
<b>DWG. NO.</b>	TOOL#(see chart)-1
REV 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS $XXX \pm .005$ FRACTIONS $\pm 1/32$ $XX \pm .01$ ANGLES $\pm .5^\circ$ $X \pm .1$	
DRAWN BY: <b>PERRITT</b> APPROVED HEAT TREAT FINISH SPEC <b>BLACK OXIDE</b> USED ON BEARING SEE CHART	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES $.015 \times 45^\circ$ PR. 015 R. 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b>	NTS
<b>DATE</b>	3-26-08
<b>SHEET</b>	2 of 6

REVISIONS		DATE	INITIAL	APPROVED
REV	DESCRIPTION			
1	WIDENED -5 CUTTER TEETH FROM .045 TO .060.	4/28/06	WP	DW
2	ADDED FB06 & FB07 TO LISTS	11/4/08	WP	RW



ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	SPRING TENSIONER		SEE CHART	2
			-3	1	SEAT		SEE CHART	3
			-5	1	CUTTER		SEE CHART	4
			-7	1	GUIDE		SEE CHART	5
			-9		BUSHING		SEE TABLE	5
			-11	1	STUD		SEE CHART	6
B/O		-15	1		EXTERNAL SPIRAL RETAINING RING	Ø3/8 SHAFT	MCMASTER-CARR PN: 91665A340	1
B/O		-17	1		THRUST BEARING	Ø5/8 ID. x 1-1/8 OD. x 5/64	APPLIED PN: NTA-1018	1
B/O		-19	2		THRUST WASHERS	Ø5/8 ID. x 1-1/8 OD. x 1/16	APPLIED PN: TRB-1018	1
B/O		-23	1		SPANNER WRENCH	MCMASTER-CARR PN: 5475A12		N/S
B/O		-25	1		CREST TO CREST SPRING	APPLIED IND. (SMALLEY CO. PN: CS112-H2)		1
B/O		-27	1		SWIVEL HEX FLANGE NUT	BLACK	SEE CHART	6
B/O		-29	1		TOOTH GUARD (FOR SHIPPING ONLY)	TUBE VINYL	SEE -5 ØB PAGE 4 FOR INSIDE DIA. OF TUBE x 5/8 LENGTH	1
ASSY #								

BEARINGS & TOOLS COVERED	
BEARING #	TOOL #
BACB10 FB04-AMT	KSCFB04P
BACB10 FB06	KSCFB06P
BACB10 FB07	KSCFB07P
BACB10	
BACB10	
BACB10	

**RB RED BARN MACHINE**  
**TITLE PORTABLE BEARING CUTTERS**

DWG NO.	SEE CHART ABOVE FOR TOOL No.	REV 2
UNLESS OTHERWISE SPECIFIED	DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON:		APPROVED
DECIMALS:		HEAT TREAT SEE PART
XXX $\pm$ .005	FRACTIONS $\pm$ 1/32	FINISH SPEC SEE PART
XX $\pm$ .01	ANGLES $\pm$ .5°	USED ON BEARING
X $\pm$ .1		SEE CHART
UNLESS OTHERWISE SPECIFIED		
1. BREAK ALL SHARP EDGES		
.015 x 45° PR. .015 R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		

SCALE NTS DATE 3-26-08 SHEET 1 of 6

REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPR
—	—	—	—

NOT APPROVED FOR PRODUCTION

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.	TITLE					
			-1	1	RND	6061	Ø8-1/4 x 3-7/8	2	— —					
									DWG NO. — — RE					
									UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
									DRAWN BY: PERRITT					
									APPROVED					
									HEAT TREAT FINISH SPEC					
									USED ON MODEL					
ASSY #									SCALE	NTS	DATE	8-15-07	SHEET	1 of

NOT APPROVED FOR PRODUCTION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PART #	QTY	DESCRIPTION
-1	1	--

DRAWN BY: PERRITT	TITLE RED BARN MACHINE
CHECKED	
HEAT	
TREAT	
FINISH SPEC	
USED ON MODEL ?	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX $\pm$ .005      FRACTIONS $\pm$ 1/32 .XX $\pm$ .01      ANGLES $\pm$ 5° .X $\pm$ .1
DWG NO.	PART #
SCALE NTS	DATE 1-28-06
REV.	SHEET 1 of 1